INSTALLATION INSTRUCTIONS
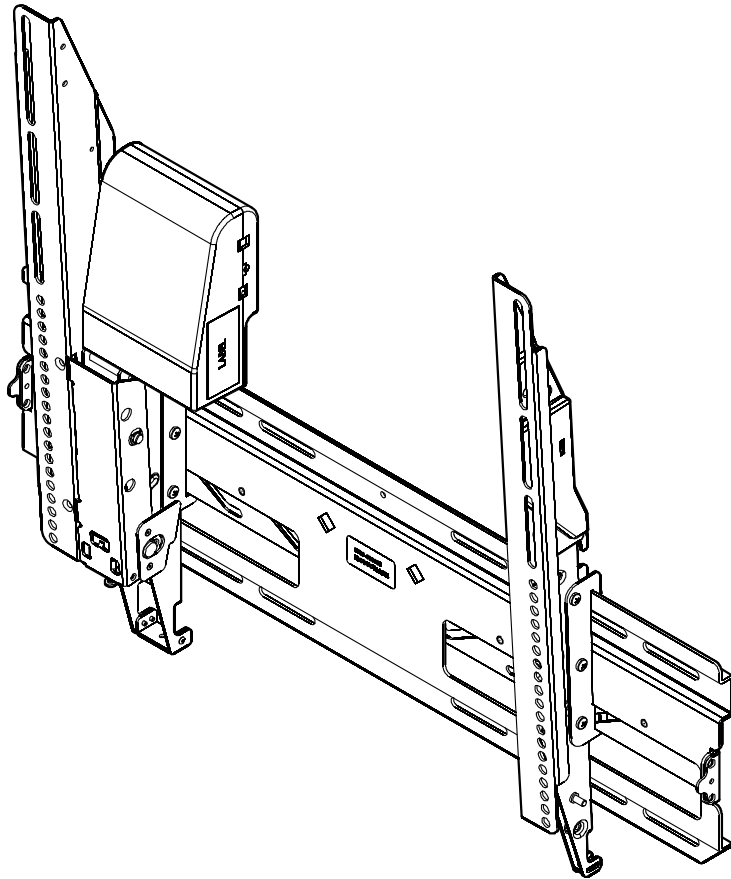
Automated Tilt Mounting System

CHIEF®

Our Mounts. *Your Vision.*

CM8

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IMPORTANT WARNINGS AND CAUTIONS!

WARNING: A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

CAUTION: A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

WARNING: Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all components are properly assembled and installed using the instructions provided.

WARNING: Failure to provide adequate structural strength for this component can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the structure to which this component is attached can support five times the combined weight of all equipment. Reinforce the structure as required before installing the component.

WARNING: Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the combined weight of all components attached to the CM8 does not exceed 150 lbs (68 kg).

LEGEND

Tighten Fastener	
Apretar elemento de fijación	Stram fastspændingsbeslag
Befestigungsteil festziehen	Skruva åt fäste
Apertar fixador	Kiristä kiinnike
Serrare il fissaggio	Dokręcić element mocujący
Bevestiging vastdraaien	Σφίξιμο Συνδέσμου
Serrez les fixations	Bağlantıyı Sıkıştırın
Сожмите Застежку	Rögzítő meghúzása

Pencil Mark	
Marcar con lápiz	Blyantmærke
Stiftmarkierung	Pennmarkering
Marcar com lápis	Piirretty merkki
Segno a matita	Oznaczenie ołówkiem
Potloodmerkteken	Σημάδι με μολύβι
Marquage au crayon	Kalem İşareti
Марка Карандаша	Ceruzajelölés

Loosen Fastener	
Aflojar elemento de fijación	Løsgør fastspændingsbeslag
Befestigungsteil lösen	Lossa fäste
Desapertar fixador	Irrota kiinnike
Allentare il fissaggio	Poluzować element mocujący
Bevestiging losdraaien	Χαλάρωση Συνδέσμου
Desserrez les fixations	Bağlantıyı Gevşetin
Ослабьте Застежку	Rögzítő kilazítása

Drill Hole	
Perforar	Borehul
Bohrloch	Borra hål
Fazer furo	Porausreikä
Praticare un foro	Otwór wiercony
Gat boren	Διάτρηση οπής
Percez un trou	Matkap Deliği
Отверстие Тренировки	Lyukfúrás

Phillips Screwdriver	
Destornillador Phillips	Stjerneskuetrækker
Kreuzschlitzschraubendreher	Krysskruvmejsel
Chave de fendas Phillips	Ristipääruuviavain
Cacciavite a stella	Śrubokręt krzyżakowy
Kruiskopschroevendraaier	Κατσαβίδι Phillips
Tournevis à pointe cruciforme	Phillips Tornavida
Отвертка	Csillagfejű csavarhúzó

Adjust	
Ajustar	Juster
Einstellen	Justera
Ajustar	Säätää
Regolare	Wyregulować
Afstellen	Προσαρμογή
Ajuster	Ayar
Приспособьтесь	Beállítás

Open-Ended Wrench	
Llave de boca	Åben skruenøgle
Gabelschlüssel	Fast nyckel
Chave de bocas	Kiintoavain
Chiave a punte aperte	Klucz płaski
Steeksleutel	Κλειδί με ανοιχτό άκρο
Clé à fourche	Açık Uçlu Anahtar
Открытый Рывок	Villáskulcs

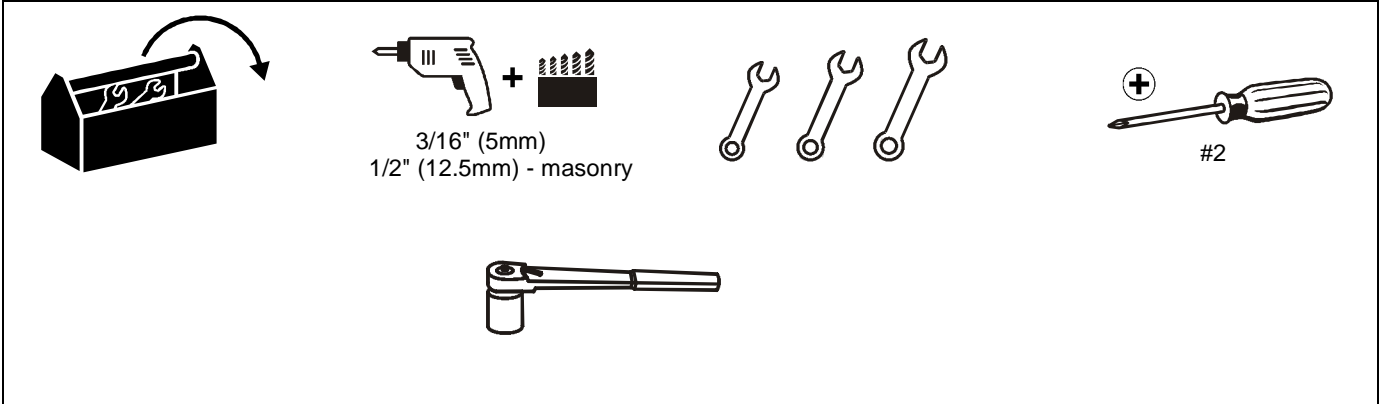| Hex-Head Wrench	
Llave de cabeza hexagonal	Sekskantet skruenøgle
Sechskantschlüssel	Insexnyckel
Chave de cabeça sextavada	Kuusiokoloavain
Chiave esagonale	Klucz z łbem sześciokątnym
Zeskantsleutel	Κλειδί εξαγωνικής κεφαλής
Clé à tête hexagonale	Altıgen Kafalı (Allen) Anahtar
Главный ведьмой Рывок	Hatszögfejű kulcs

By Hand	
A mano	Med hånden
Von Hand	För hand
Com a mão	Käsin
A mano	Ręcznie
Met de hand	Με το χέρι
À la main	El İle
Вручную	Kézzel

Socket Wrench	
Llave de cubo	Hylseskruenøgle
Steckschlüssel	Hylsnyckel
Chave de caixa	Hylsyavain
Chiave a brugola	Klucz nasadowy
Dopsleutel	Σωληνωτό Κλειδί
Clé à douilles	Lokma Anahtar
Торцовый ключ	Csőkulcs

Hammer	
Martillo	Hammer
Hammer	Hammare
Martelo	Vasara
Martello	Młotek
Hamer	Σφυρί
Marteau	Çekiç
Молоток	Kalapács

Measure	
Medir	Mål
Messen	Mät
Medir	Mitta
Misurare	Przymiar
Meten	Μέτρο
Mesurer	Ölçüm
Мера	Mérték

TOOLS REQUIRED FOR INSTALLATION

3/16" (5mm)
1/2" (12.5mm) - masonry

#2

PARTS

A (1)

B (1)

C (1)

C1 (1)

D (1)

E (1)

F (1)

G (1)

G1 (8)
M4x16mm

G2 (6)
M4x20mm

G3 (6)
M4x25mm

G4 (6)
M5x16mm

G5 (6)
M5x20mm

G6 (6)
M5x25mm

G7 (6)
M6x16mm

G8 (6)
M6x25mm

G9 (1)
M5

G10 (6)
M8x20mm

G11 (6)
M8x30mm

G12 (4)
M8x50mm

G13 (8)
.750x.323x.250

G14 (8)
.750x.344x.500

G15 (8)

H (1)

H1 (4)
5/16"

H2 (4)
5/16" x 2-1/2"

H3 (2)
10-24 x 1/2"

H4 (4)

J (1)
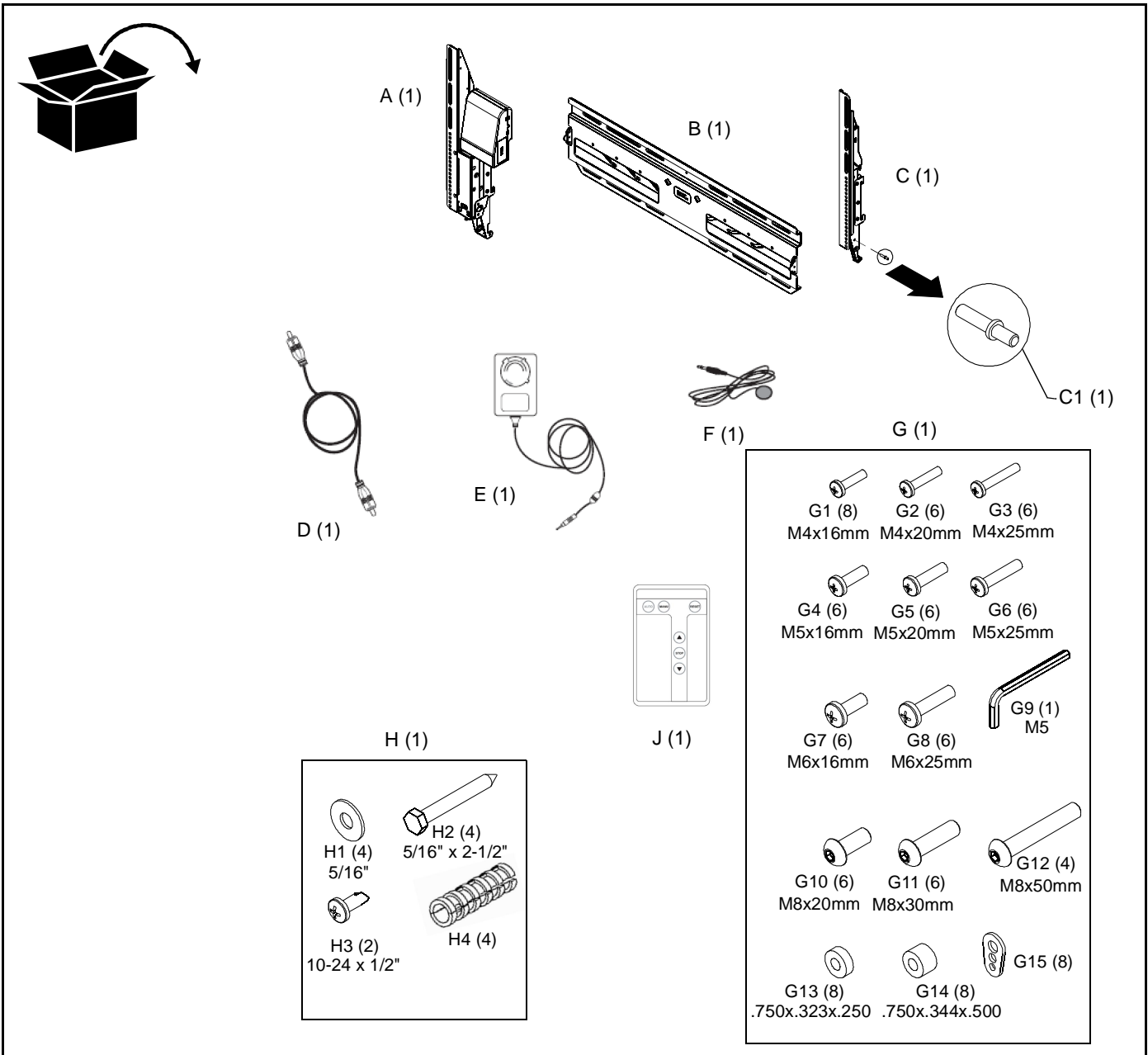
DIMENSIONS

PRODUCT FEATURES	
WEIGHT CAPACITY	150 LBS (68 Kg)
MOUNTING PATTERN	WIDTH - 4.16" TO 30.13" (106 mm TO 765 mm) HEIGHT - UP TO 19.28" (490 mm)
TILT	-13° / +2°

[601]
23.65

[225]
8.86

[73]
2.86

[91]
3.57

2°

13°

LOCKING TAB EXTENDS
OUT 2.75" (69.9 mm)
FROM THIS EDGE

[490]
19.28

[335]
13.18

MAX. [765] 30.13
MIN. [106] 4.16

[737]
29.00

[508]
20.00

[305]
12.00

[76]
3.00

[152]
6.00

[203]
8.00

LOCKING TAB EXTENDS
OUT 2.75" (69.9 mm)
FROM THIS EDGE
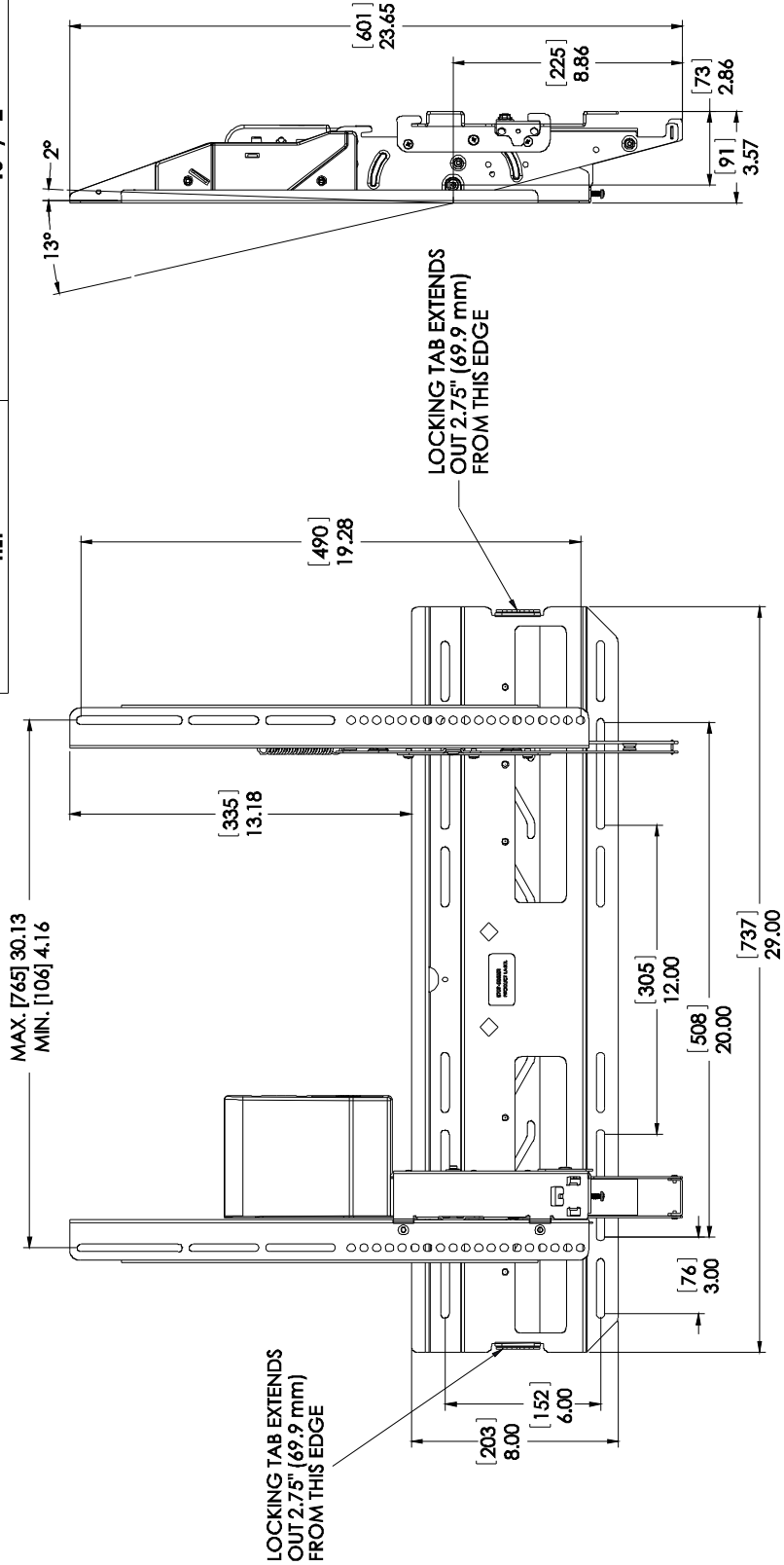
ALL MEASUREMENTS ARE IN
THE FOLLOWING FORMAT:

[MILLIMETERS]
INCHES

1

INSTALLATION

⚠️ **WARNING:** IMPROPER INSTALLATION CAN LEAD TO MOUNT FALLING CAUSING SEVERE PERSONAL INJURY OR DAMAGE TO EQUIPMENT! It is the installers responsibility to make certain the structure to which the mount is being attached is capable of supporting five times the weight of the CM8 and all attached equipment not to exceed 150 lbs (68 kg).

NOTE: Instructions are included for installing the CM8 in a wood stud wall or a solid concrete wall application. Proceed to the appropriate section for further information.

1a

x 4

3/16" (5mm)

(B)

5

2

5

(H1) x 4

4 (H2) x 4
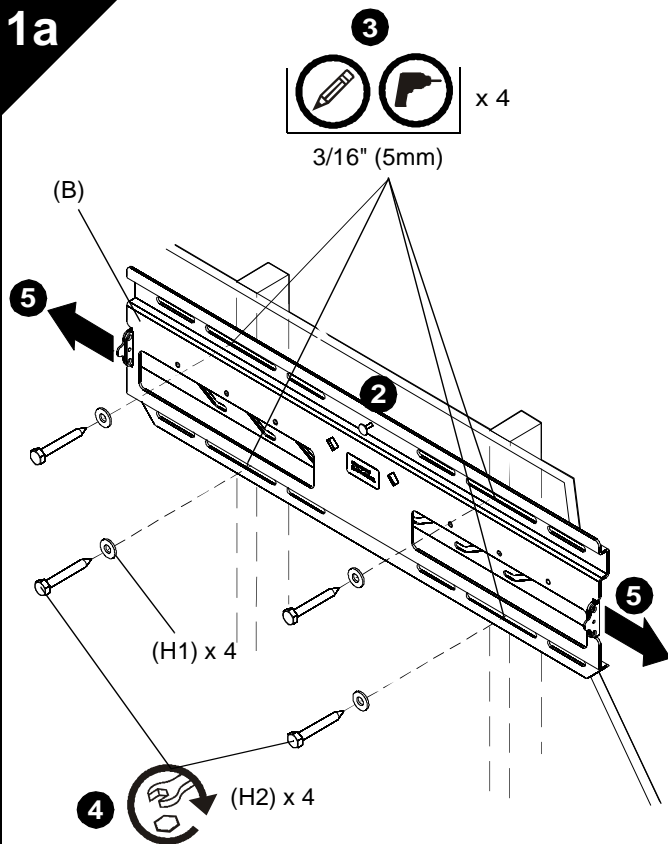
Wood Stud Installation

NOTE: Mount the wall bracket to at least two wooden studs spaced a minimum of 12" (30.4 cm) to a maximum of 24" (61.0 cm) apart.

1. Using a stud finder, locate and mark the two studs to which the CM8 will be installed.

2. Using a nail through the center hole of the wall bracket (B), temporarily hang the wall bracket on the wall at the install location.

3. Level wall bracket (B), mark and drill four 3/16" (5mm) mounting holes.

4. Fasten wall bracket to wall studs using four 5/16 x 2-1/2" hex head lag screws (H2) and four 5/16" flat washers (H1).
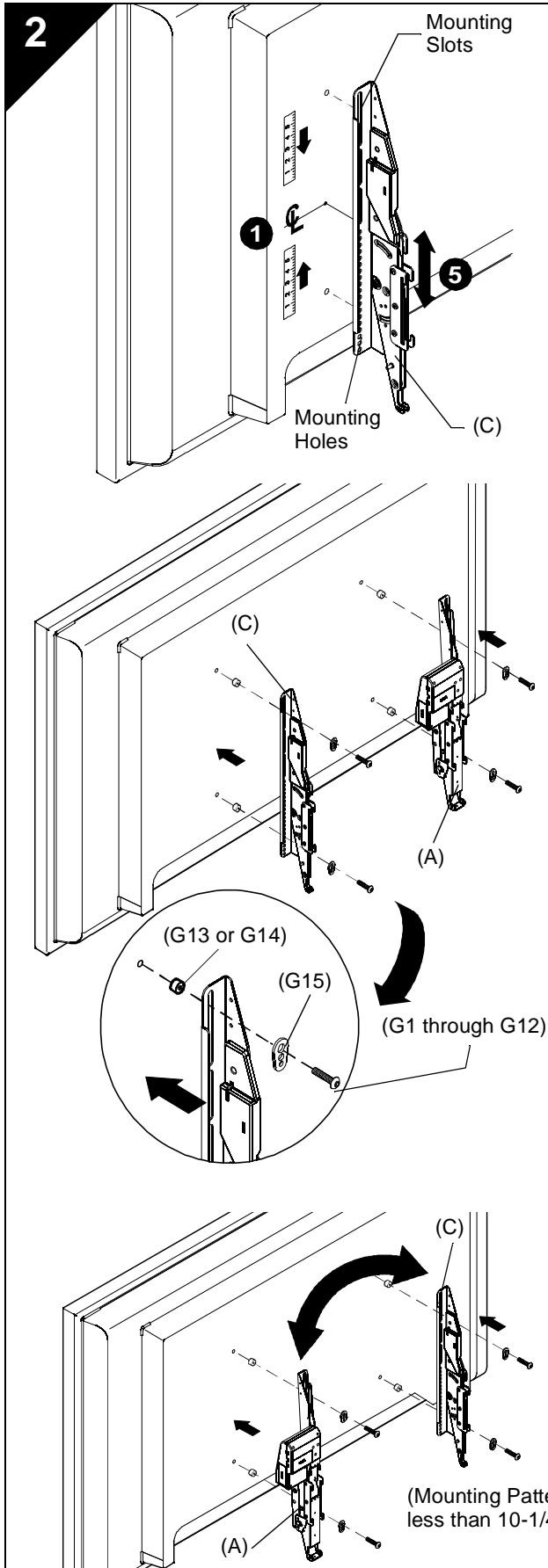
5. Slide latches to outside.

1b

① ②
x 4

1/2" x 2-1/2" (12.5mm x 63.5mm)

③ (H4) x 4

⑤

(H1) x 4

④ (H2) x 4

⑤
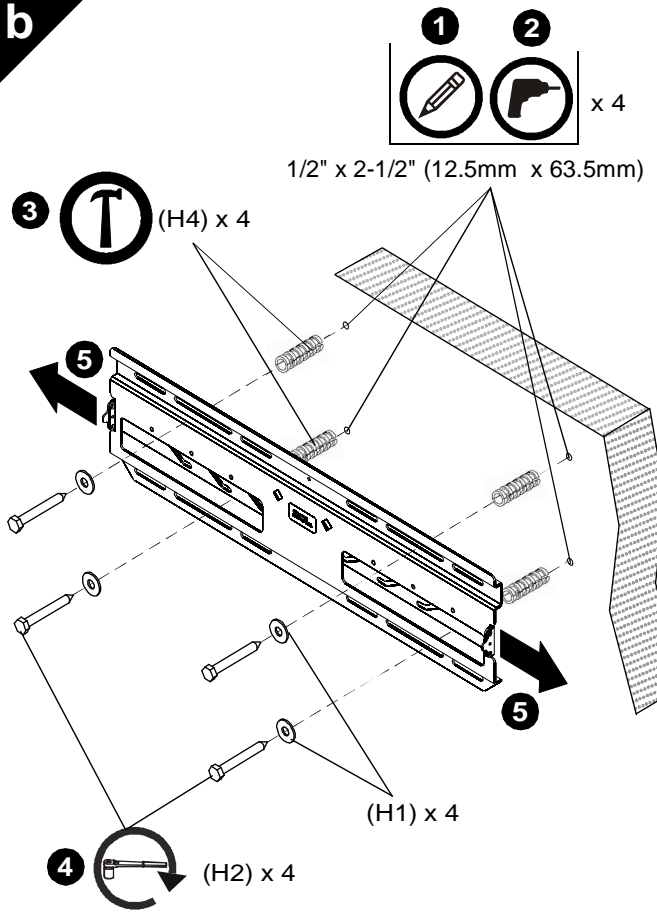
Concrete Installation

NOTE: Mount the wall bracket in four spots, spaced a minimum horizontal distance of 12" (30.5cm).

1. Level wall bracket (B) and mark locations of pilot holes.

2. Drill four 1/2" x 2-1/2" (12.5mm x 63.5mm) pilot holes into mounting surface.

3. Install four anchors (H4) into pilot holes, inserting end that opens slightly first. Tap with hammer until flush with concrete surface.

4. Using a socket wrench, install four 5/16" x 2-1/2" hex head lag screws (H2) and four 5/16" flat washers (H1).

5. Slide latches to outside.

2

Mounting Slots

Mounting Holes

(C)

(C)

(A)

(G13 or G14)

(G15)

(G1 through G12)

(C)

(Mounting Pattern Width less than 10-1/4")

(A)

Attaching Brackets to Display

⚠️

WARNING: IMPROPER INSTALLATION CAN LEAD TO MOUNT FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! DO NOT substitute hardware. Only use hardware provided or specified by manufacturer.

NOTE: Locate Digital Optical Audio Output on back of display (if available).

1. Determine and mark the vertical center position between the left side upper and lower mounting holes in display.

2. Determine and mark the vertical center position between the right side upper and lower mounting holes in display.

3. Orient non-motorized mounting bracket (C) so that mounting holes are on bottom and mounting slots are on top.

4. Align mounting holes and slots in bracket (C) with upper and lower mounting holes on left side of display.

NOTE: For mounting pattern widths less than 10-1/4", reverse location of brackets (A) and (C).

5. Adjust mounting bracket (C) position until mark made in Step 1 aligns with center mark in bracket (C)

**NOTE:** Vertical center of mounting bracket is at bottom of third slot.

6. Secure bracket (C) to display using the screws provided (G1 through G12).

NOTE: Also use universal washers (G15) if using screws (G1 through G8).

NOTE: If the display has a recessed mounting surface, protrusions or a power box, a spacer and longer mounting hardware must be placed between the display and mounting bracket (C).

7. Repeat Steps 3 through 6 for motorized mounting bracket (A) using the same hole locations to align brackets horizontally.

3
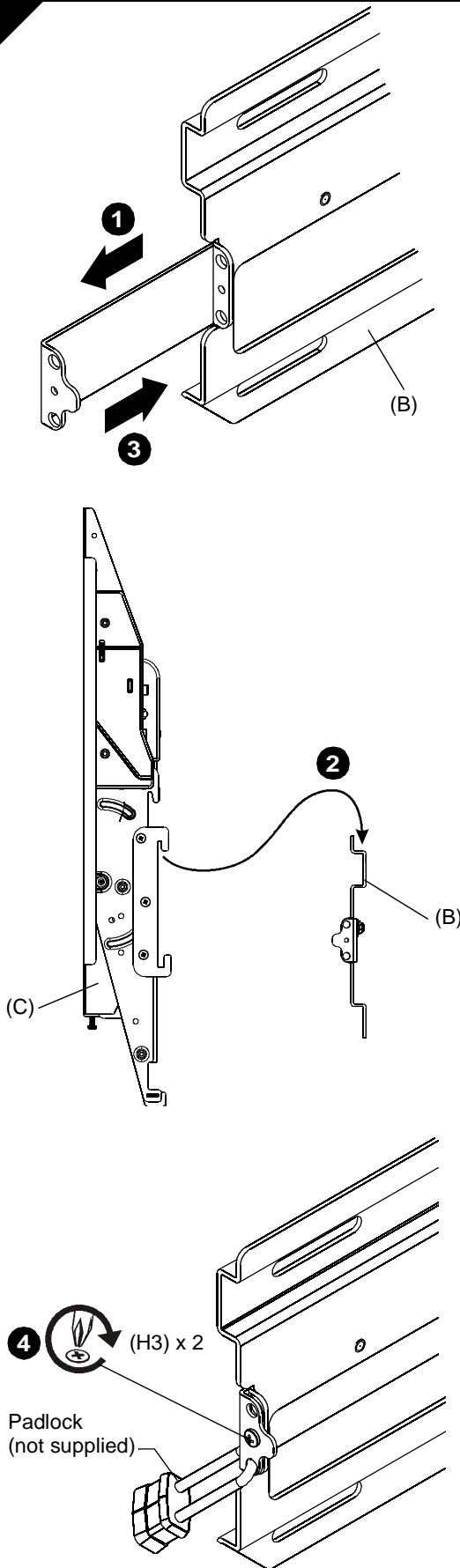
Installing Display

⚠️ **WARNING:** IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Ensure mounting bracket hooks are completely engaged over wall bracket.

⚠️ **CAUTION:** DISPLAY MAY WEIGH IN EXCESS OF 40 LBS! Always use two people and proper lifting techniques when installing or positioning display on wall bracket.

1. Slide wall bracket (B) side latches out.

2. Place display on wall bracket (B) by hooking the bracket hooks over the top of the wall bracket.

3. Secure display by sliding side latches in.

4. (Optional): For additional security, install two 10-24 x 1/2" Phillips head self-tapping screws (H3) and/or padlocks (not provided) into the slide latches.

(B)

(B)

(C)

(H3) x 2

Padlock (not supplied)

4

(E)

1

2

3

(D)

(F)
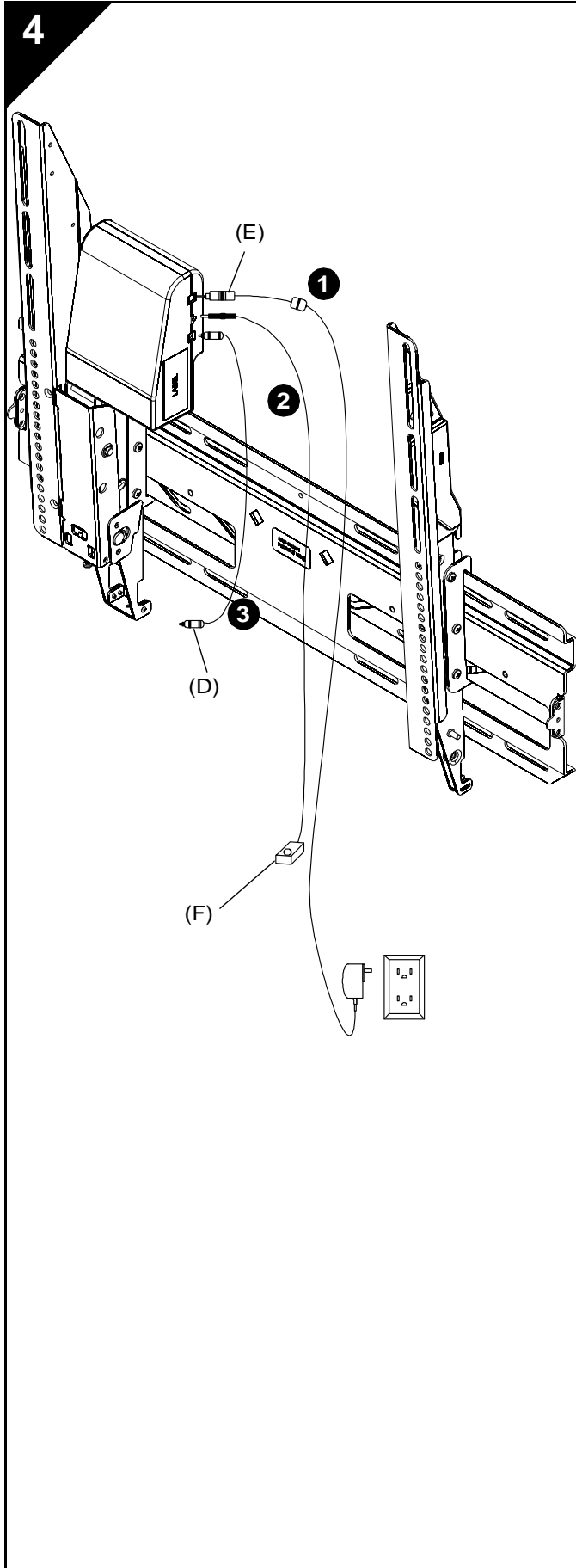
Connecting Electrical Components

Electrical Rating: DC 12V; 0.4A

⚠
 CAUTION: DAMAGE TO CABLES POSSIBLE! Do not run cables or wires near the moving parts of this mount.

1.   Plug the AC adapter (E) into the CM8 control box and the home's electrical socket.

2.   Plug the IR receiver (F) into the CM8 control box, and attach the head to bottom side of display.

NOTE: The CM8 detects whether the display is ON or OFF by detecting whether the LED light (red) from the Digital Optical Audio Output is ON or OFF. In Auto-Mode the CM8 tilts the display down when the LED light is ON, and returns the display to the upright position when the LED light is OFF.

NOTE: Use an optical splitter (not provided) to send signals to the control box if the Audio Digital Optical Output of the display is being used to drive speakers.

3.   (Optional) Plug the optical cable (D) into the CM8 control box and the Digital Optical Audio Output on the back of the display.
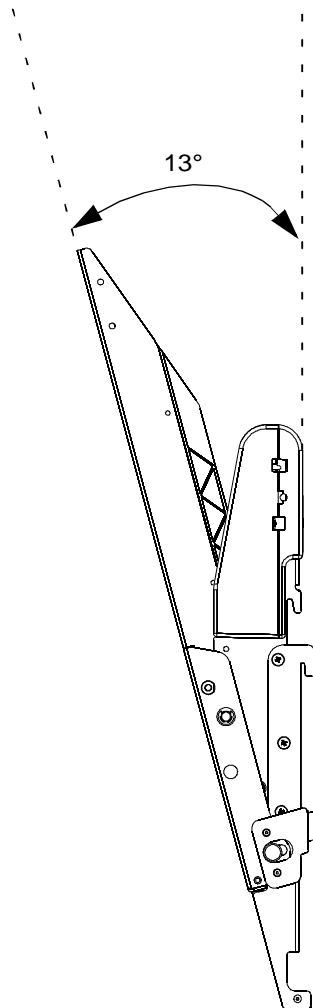
NOTE: IR receiver (F) must be visible from front of display.

5
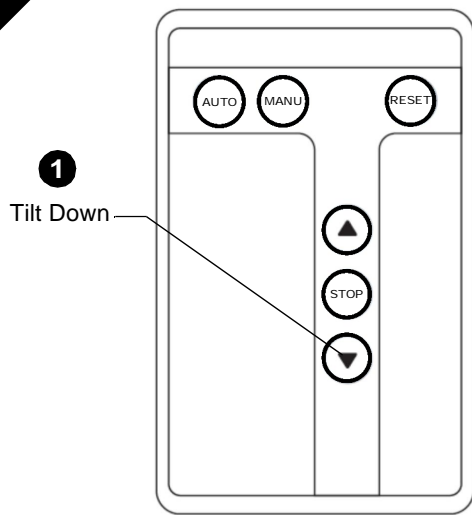
Tilt Down

Adjusting Tilt

NOTE: Remove plastic tab from remote control (J) before use.

1. Use the down arrow button on the remote control (J) to fully tilt down the display.

NOTE: The CM8 is designed to tilt the display down a maximum of 13°. The maximum tilt angle may vary depending on the application.

2. Visually check to see if the display tilts down fully.

 • If the display does NOT tilt down fully, proceed to Section 6.

 • If the display DOES tilt down fully, proceed to Section 7.

13°

6
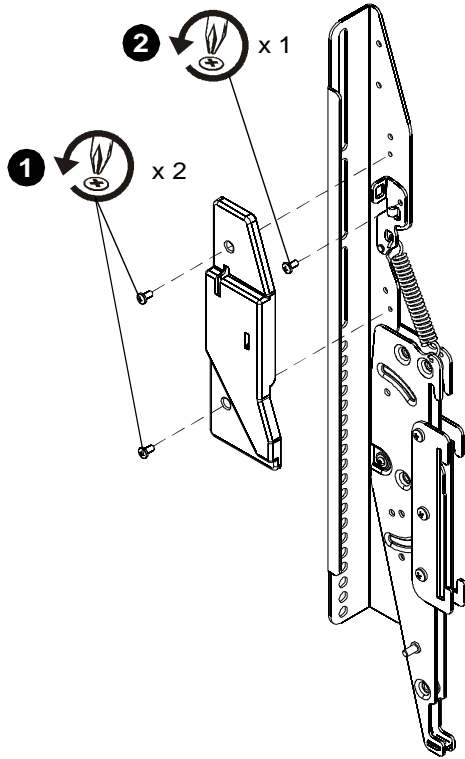
Removing Spring to Tilt Display

1. Remove and keep two Phillips screws from plastic cover on non-motorized bracket (C).

2. Remove and keep one Phillips screw from latch.

3. Lower latch to remove spring.

4. Return latch to original position.

5. Store spring in plastic cover.

6. Reinsert screw holding the latch.

7. Reinstall plastic cover using two screws removed in Step 1.

8. Use the down arrow button on the remote control (J) to tilt down the display. The display should now tilt down fully.

2 x 1

1 x 2

3

4

5

Spring

6 x 1

7 x 2
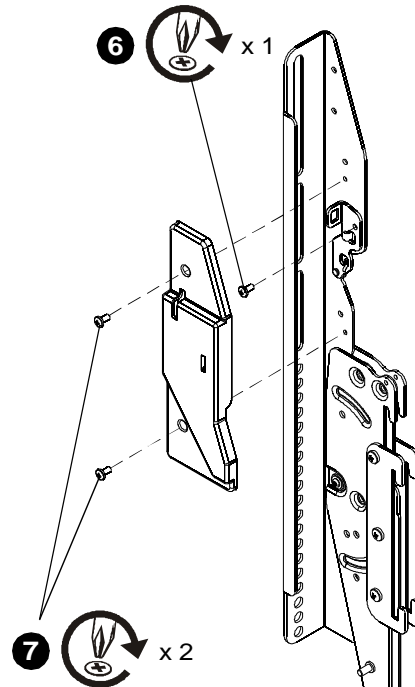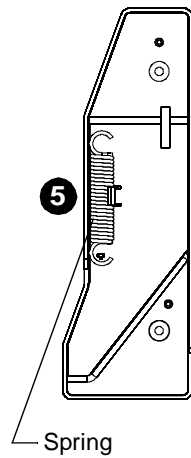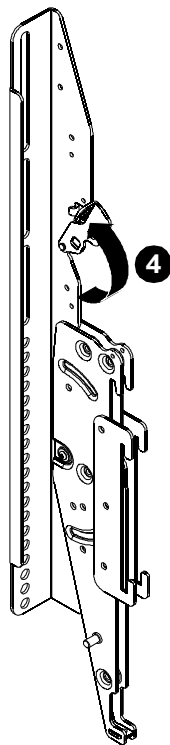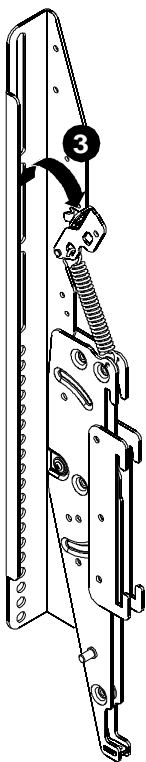
7
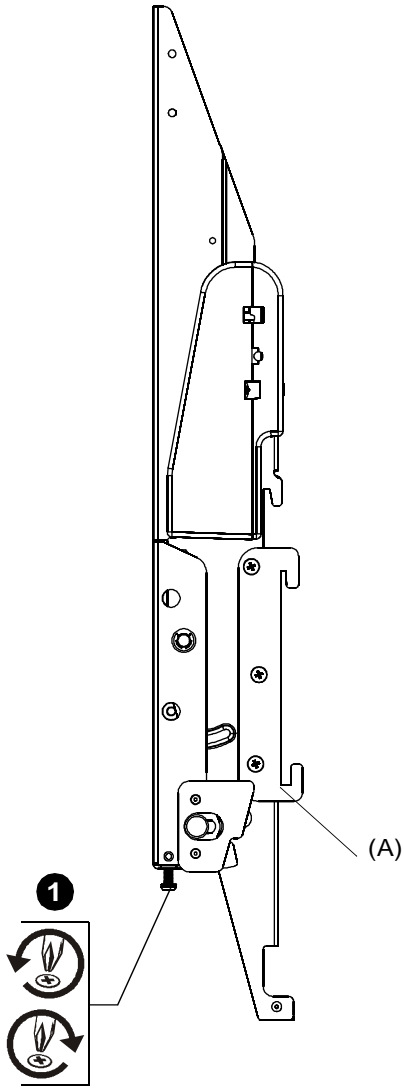
Adjusting Upright Position of Display (Optional)

1. Adjust upright position of display (+/- 2°) by turning the bottom screw on the motorized bracket (A).

(A)

1

8

Setting Preset Position

1. Remove pin (C1) from STORE opening.

2. Insert pin into appropriate opening dependent on tilt angle desired:

   - Insert pin into "P1" for maximum preset tilt angle of approximately 6°.
   - Insert pin into "P2" for maximum preset tilt angle of approximately 9°.
   - Insert pin into "STORE" for full tilt angle of 13°.
   - Insert pin into "UP" to lock the display in the up position (approximately 5°).

UP

P2 P1

STORE

UP P2

P1

STORE

C1

❶
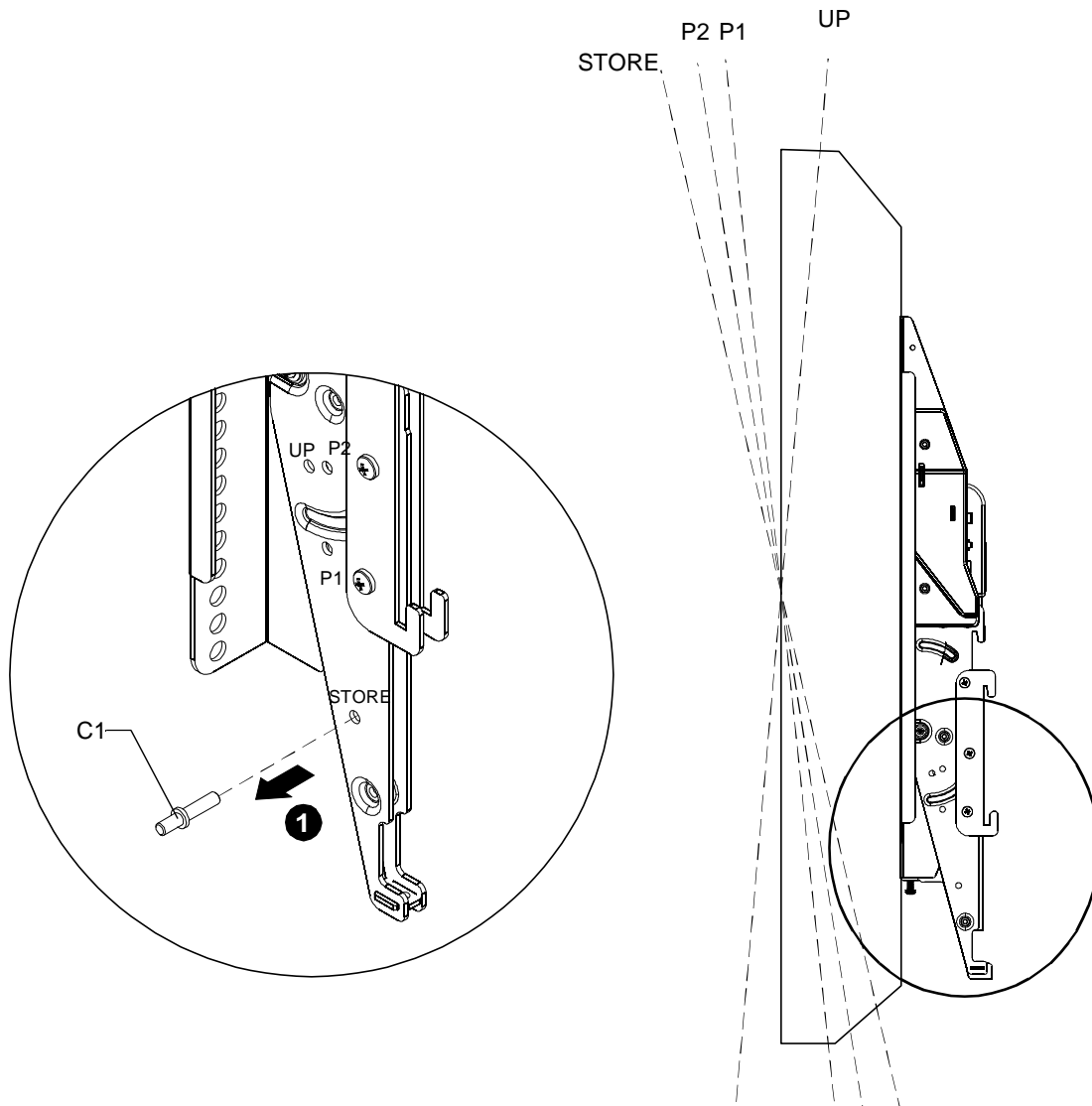
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08/08

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